

Modification to Legsimulator regarding force measurements

The need for innovative medical devices for lower limb rehabilitation is growing. The ZMS is working on the research for exoskeletons and active orthoses. As part of the research, we develop a Legsimulator for human gait activities.

We offer:

- Theses (Bachelor or Master) and research masters (MSD) with subject-specific supervision
- Flexible working hours and independent work
- Practical experience in the field of applied Research
- Young and motivated team

Your profile:

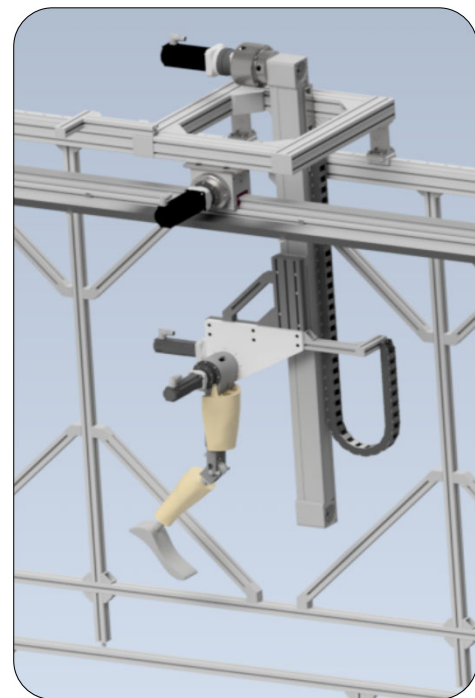
- Degree in mechatronics, electrical engineering, computer science or similar degree programs / relevant work experience
- Knowledge in embedded systems
- Passionate to learn, highly motivated, responsible, independent

Your tasks:

- Research and Development of capable sensor concepts for force and torque measurement for the interaction between the Legsimulator and an exoskeleton or active orthoses
- Implementation of sensor concepts in the Legsimulator Testbench
- Verification of implantation via testing at different gait activities



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Cooperation partners:



Advanced
Mechatronics

Schad
Das Gesundheitshaus im Ostalbkreis

